1 GETTING STARTED

DAC-100

What's in the Box?

- DAC-100
- AC ADAPTER
- S-VIDEO CABLE
  (REQUIRES RED & WHITE RCA AUDIO CABLE)
- RCA VIDEO & AUDIO CABLE
- FIREWIRE
  (6 PIN MALE TO 6 PIN MALE)
- INSTALLATION GUIDE
- MANUAL
- REGISTRATION CARD
- SUPPORT INFO

1 AC ADAPTER

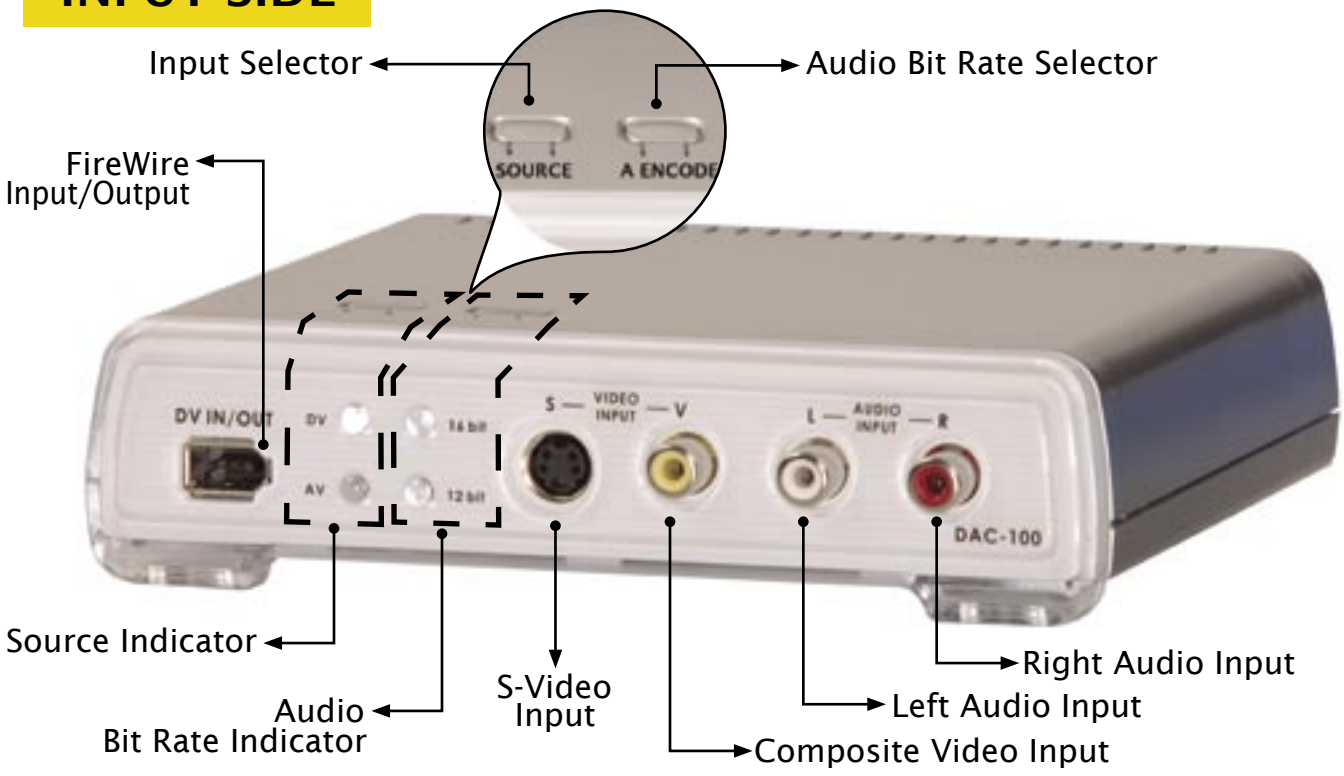
2 S-VIDEO CABLE

3 RCA VIDEO & AUDIO CABLE

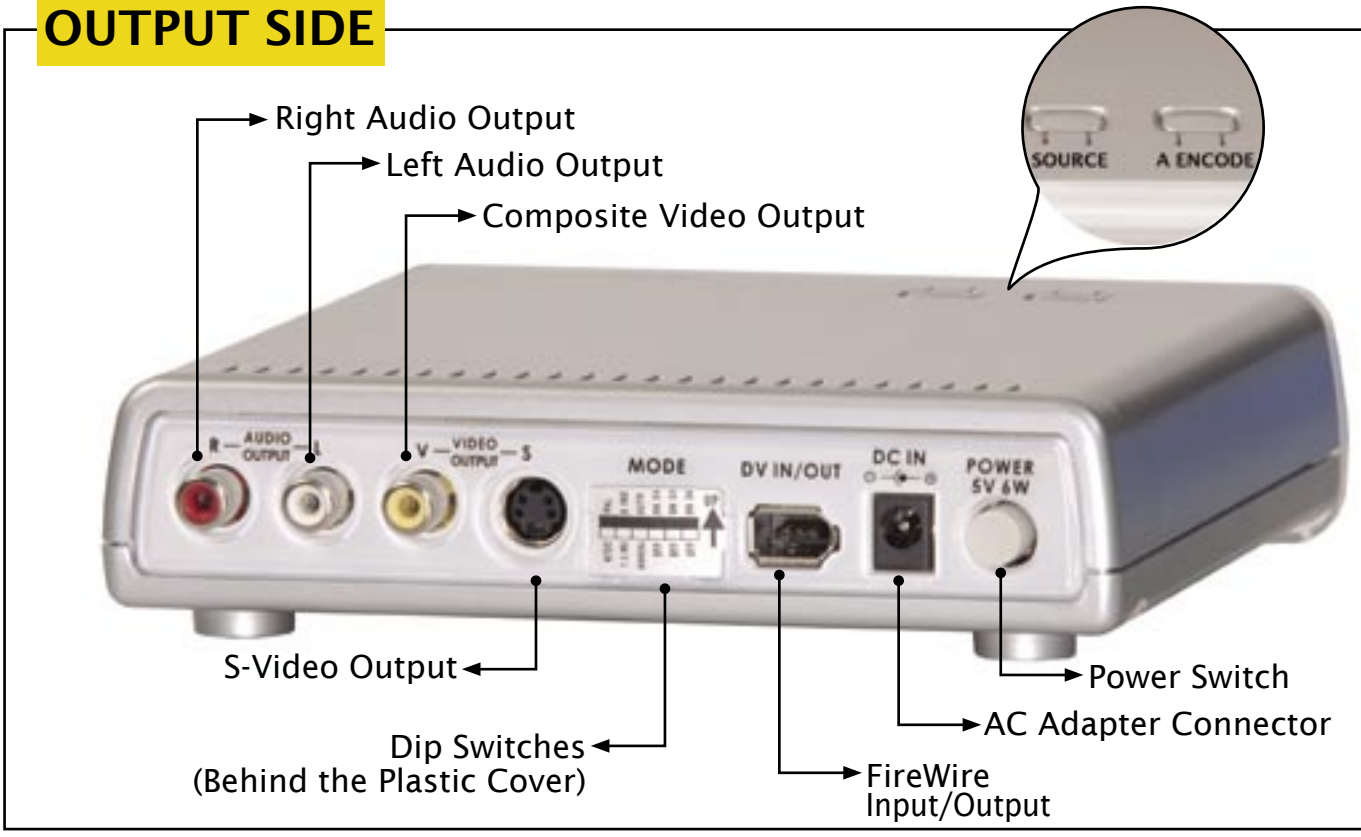
4 FIREWIRE CABLE 6 PIN MALE TO 6 PIN MALE

2 MEET THE DAC-100

INPUT SIDE



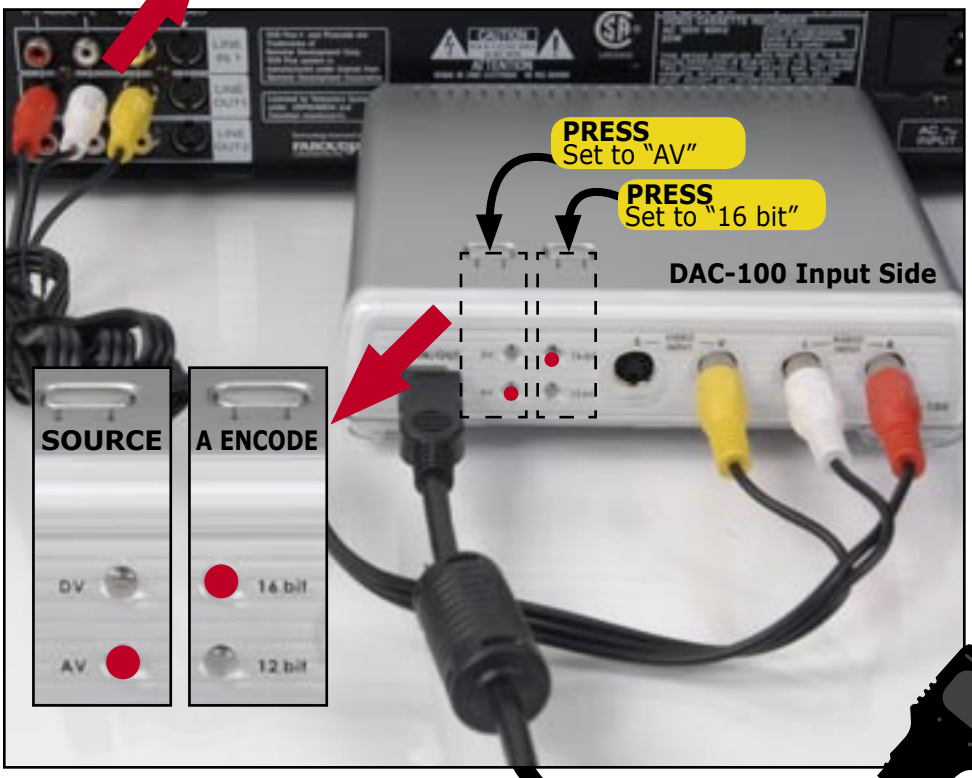
OUTPUT SIDE



3 CAPTURING COMPOSITE VIDEO

How to connect DAC-100 to capture Video from a VCR or Camcorder

1. Connect the RCA Video/audio cables from the VCR's Line output to the input on the DAC-100.
2. Connect the FireWire cable to the DAC-100, connect opposite end to the PC or Mac's FireWire Port.
3. Power on the DAC-100 and the VCR.
4. Start the Editing Software. (Not Supplied)
5. Press the DAC-100's Source Button to switch it to "AV" and the A Encode Button to "16 bit".
6. Go to the "Capture or Import" mode on the Editing software to begin capturing video to a PC or a MAC

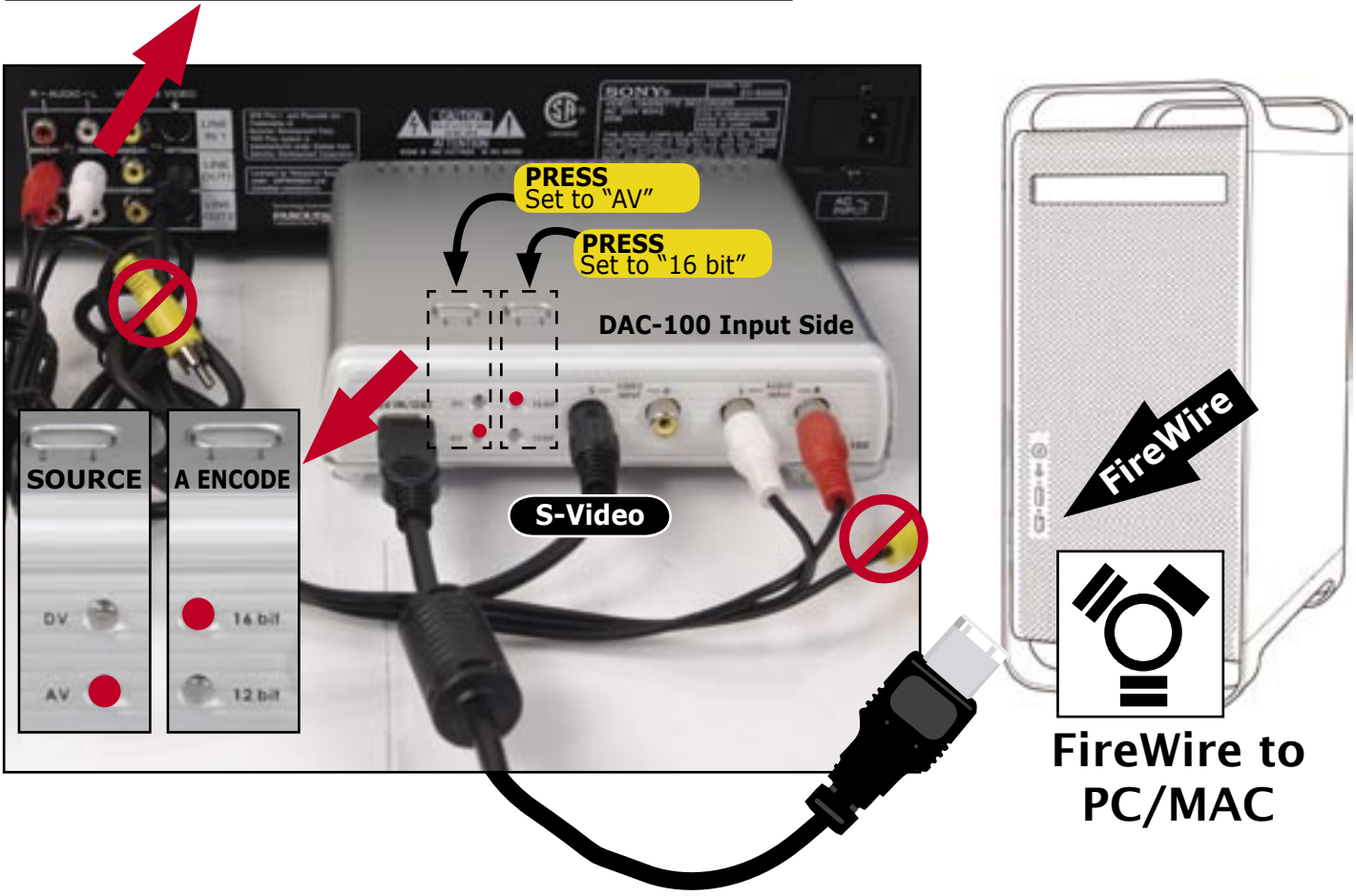


FireWire to PC/MAC

4 CAPTURING S-VIDEO

How to capture Video from a VCR or Camcorder

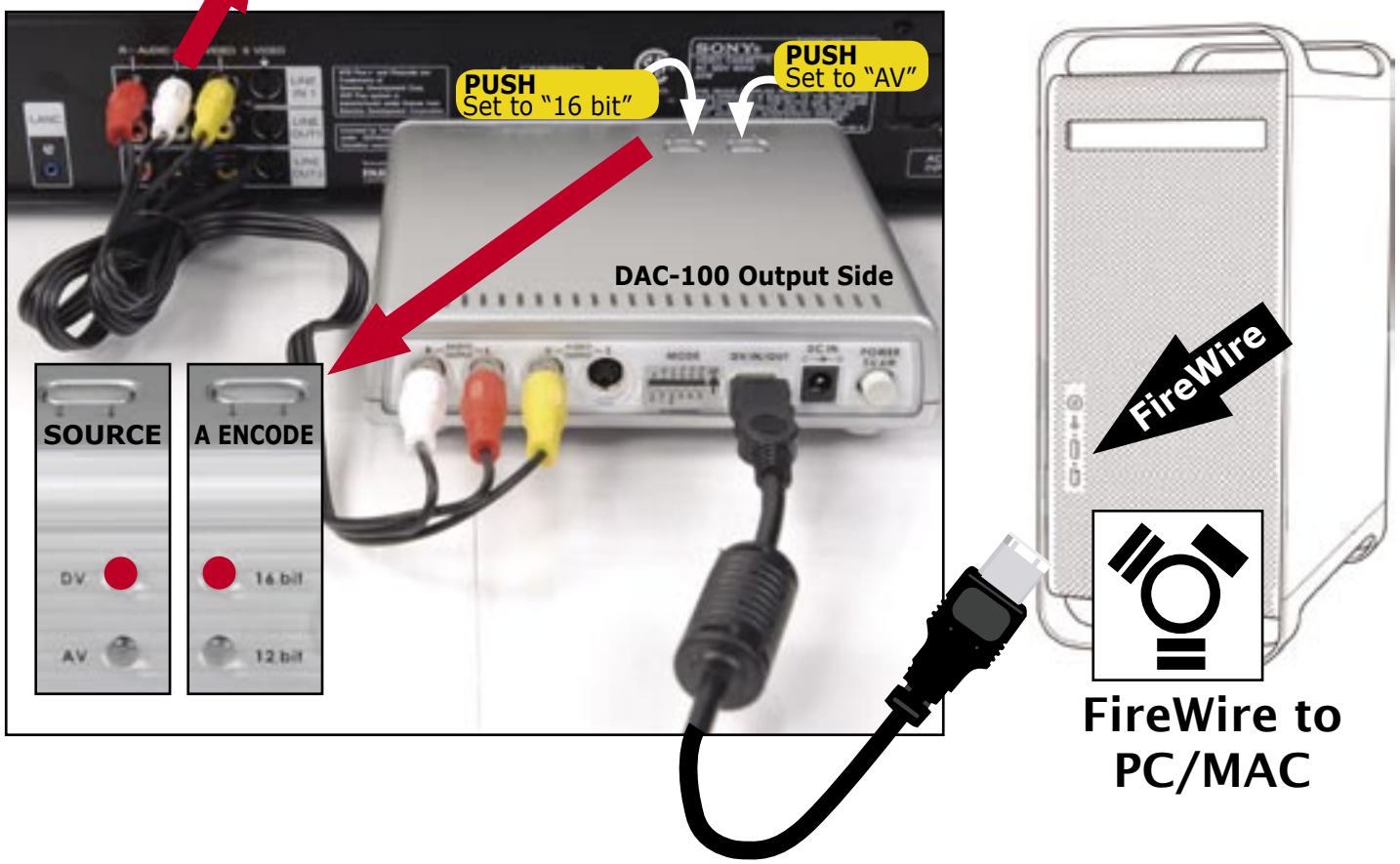
1. Connect the S-Video cable and RCA audio cables from the VCR's Line output to the input on the DAC-100.
2. Connect the FireWire cable to the DAC-100, connect the opposite end to the PC or Mac's FireWire Port.
3. Power on the DAC-100 and the VCR.
4. Start the Editing Software. (Not Supplied)
5. Press the DAC-100's Source Button to switch it to "AV" and the A Encode Button to "16 bit".
6. Go to the "Capture or Import" mode on the Editing software to begin capturing video to a PC or a MAC.



5 EXPORTING TO TAPE

How to Export Video from the computer to Tape

1. Connect the RCA Video/audio cables from the VCR's Line input to the output on the DAC-100.
2. Connect the FireWire cable to the DAC-100, connect the opposite end to the PC or Mac's FireWire Port.
3. Power on the DAC-100 and the VCR.
4. Start the Editing Software. (Not Supplied)
5. Press the DAC-100's Source Button to switch it to "DV" and the A Encode Button to "16 bit".
6. Go to the "Export" mode on the Editing software to begin exporting video to the VCR.

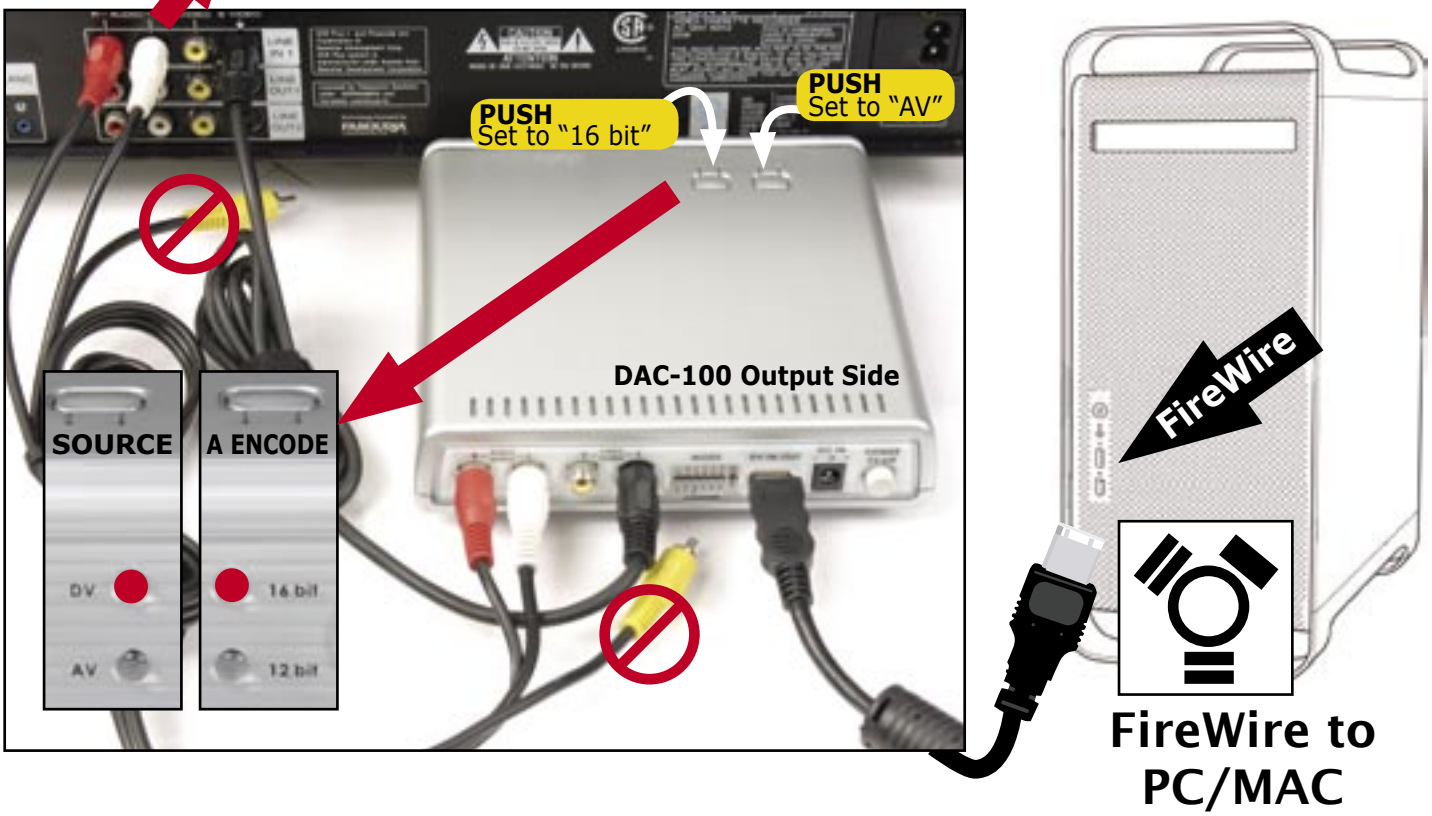


FireWire to PC/MAC

6 EXPORTING TO TAPE (S-VIDEO)

How to Export Video from the computer back to Tape

1. Connect the S-Video and RCA audio cables from the VCR's Line input to the output on the DAC-100.
2. Connect the FireWire cable to the DAC-100, connect the opposite end to the PC or Mac's FireWire Port.
3. Power on the DAC-100 and the VCR.
4. Start the Editing Software. (Not Supplied)
5. Press the DAC-100's Source Button to switch it to "DV" and the A Encode Button to "16 bit".
6. Go to the "Export" mode on the Editing software to begin exporting video to the VCR.



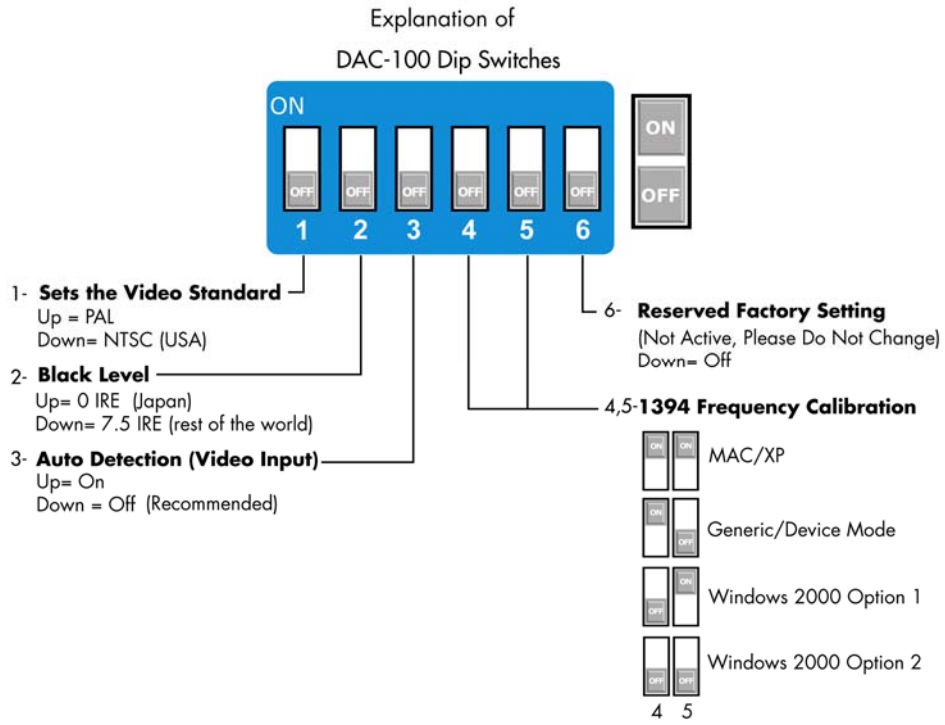
DAC-100 Quick Setup with iMovie 5

This setup guide will cover four specific areas:

A. Explanation of the DAC-100 Dip Switches
B. Configuration of the dip switches
C. Diagrams of typical cable connections
D. Initial Software configuration and capturing
E. Exporting from iMovie

A. Explanation of the DAC-100 Dip Switches

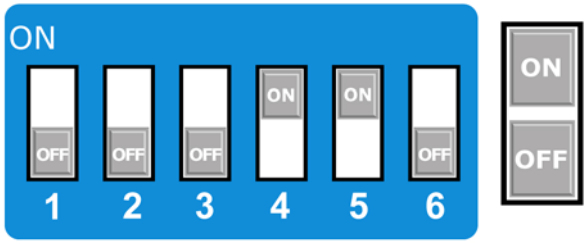
The DAC-100 has dip switches to customize the converter for your hardware and software. The DAC-100 is sold throughout the world, so dip switch settings can be changed to accommodate different regions and different FireWire devices.
The diagram below explains what each dip switch controls within the DAC-100.



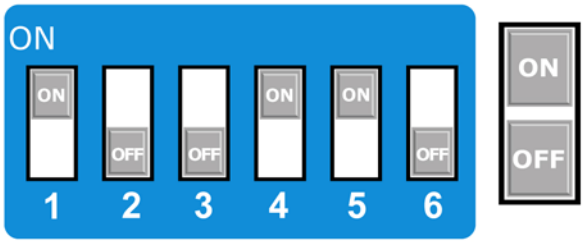
B. Configuration of the Dip Switches

In this section, we will select the appropriate settings for your Mac. Please choose a recommended dip switch setting from below, according to your Video Standard.

NTSC System (Factory Default U.S.A.)
MAC/Window XP



PAL System
MAC/Window XP



C. Diagrams of typical cable connections

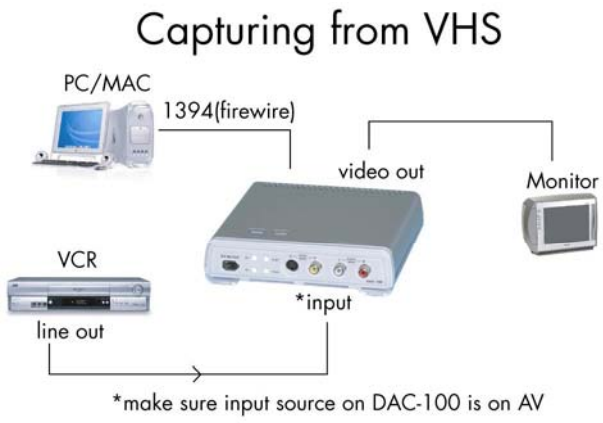
Make sure your VCR or Analog source is connected to the front inputs of the DAC-100 (LED's are on the front of the DAC-100) before powering on the converter. The converter must be powered on before iMovie is started.

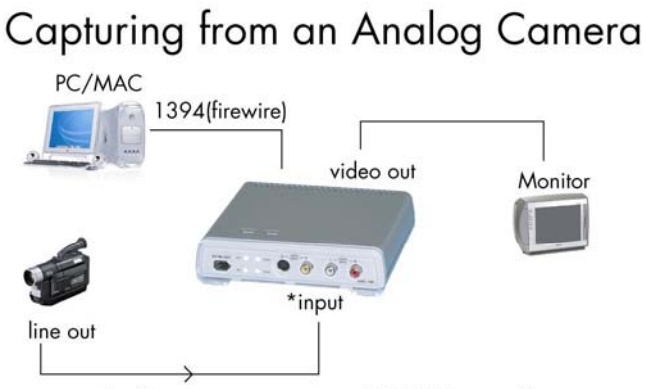
A 6-pin FireWire cable can be connected to the front or rear of the DAC-100. (Both DAC-100 FireWire ports are active, so it doesn't matter which one is used.) The opposite end should be connected to your 1394/connection on your computer.

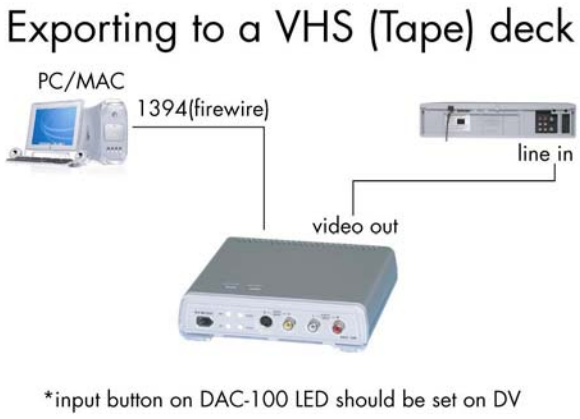
It is recommended that you monitor your video, a composite video cable can be used to connect a TV or Video Monitor. Connect a composite RCA cable from the rear (Output Side) of the DAC-100 and connect the opposite end to the input of your TV or Video Monitor.

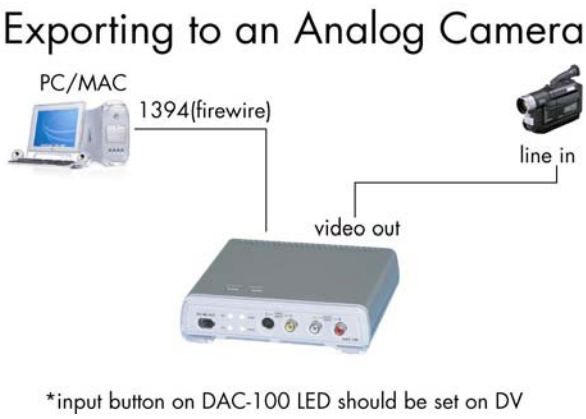
Note: S-video cables only carry a video signal, so you will need to connect your RCA audio cables to the converter to capture sound.

Helpful Hint: The "OUTPUT" from one device, must go to the "INPUT" on another device.





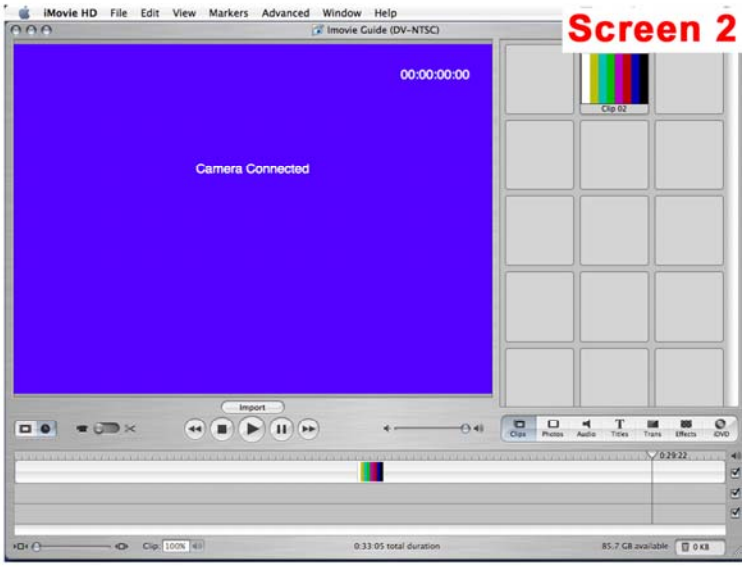




D. Initial Software configuration and capturing

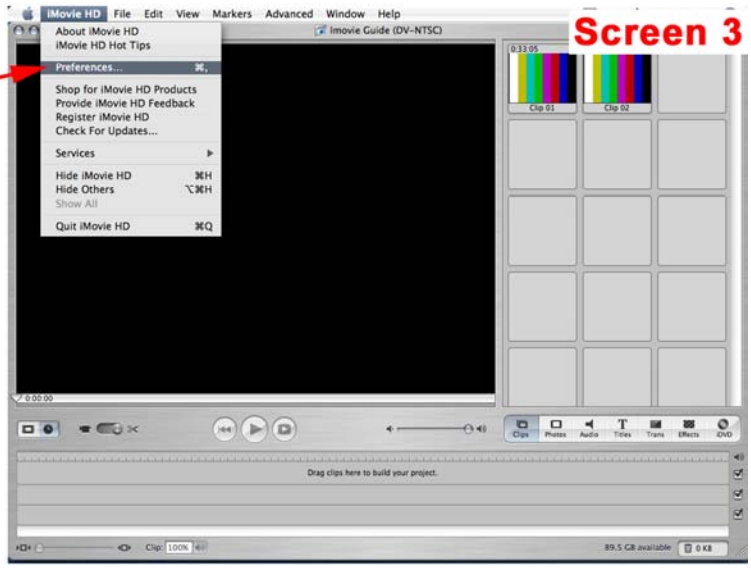
Launch iMovie in your Mac, as shown in Screen 1.

Once iMovie has launched, you will see that "Camera Connected" is displayed on the capture window.



To setup the DAC-100 to work properly, you will need to make a few changes in iMovie's preferences.

Click iMovie and select preferences in the drop down box. (see screen 3)



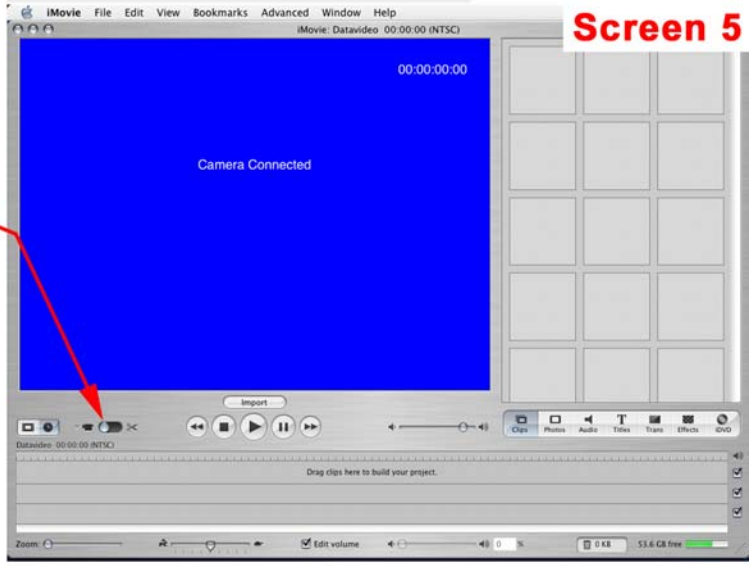
In the preferences box, make sure the highlighted areas are unchecked.

Close the prefences box, once the changes have been made.

Slide the blue selector to capture mode.

It might take a few seconds for your video to appear in your capture window.

If you do not see your video, check to make sure that the converter is set to AV as the input source.



To import your video press the play button and then the import button. (they should be shaded blue)

You will see your clip in the thumbnail view.

To stop exporting, press the import button once more.

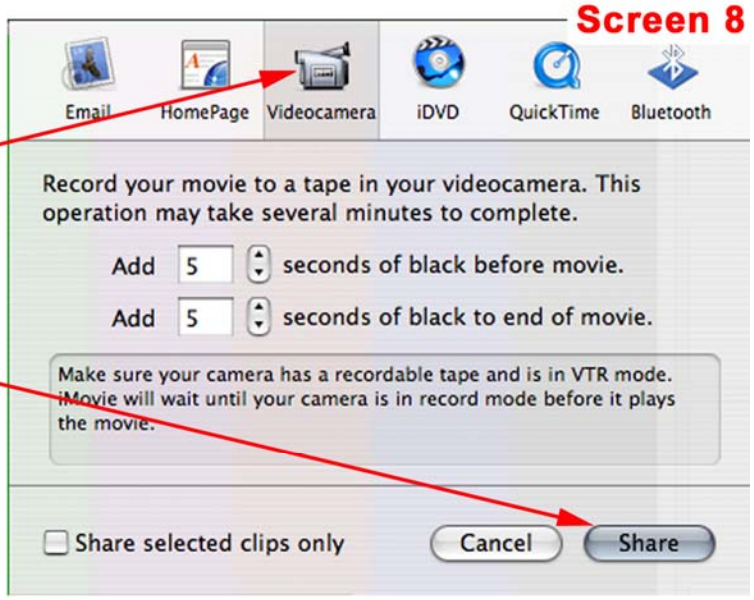
E. Exporting from iMovie

To export back to tape, go to file and select “Share” as shown in screen 7.

Make sure the converters input mode is set to DV.

The Share selection box will open as shown.

Select “Videocamera” and Click the share button to begin the export process.


Screen 8
Email
HomePage
Videocamera
iDVD
QuickTime
Bluetooth
Record your movie to a tape in your videocamera. This operation may take several minutes to complete.
Add 5 seconds of black before movie.
Add 5 seconds of black to end of movie.
Make sure your camera has a recordable tape and is in VTR mode. iMovie will wait until your camera is in record mode before it plays the movie.
Share selected clips only
Cancel
Share

Screen 9, is an example of the export process in iMovie.

During this process your finished video is sent via firewire back to the DAC-100 Converter, which is then converted back to analog video.